WHAT IS CLAIMED IS:

1.   An image data enlarging/reducing apparatus enlarging or reducing image data stored in a first storage unit to transfer to a second storage unit, comprising:

a counting unit counting a line number of the image data stored in said first storage unit;

a setting unit where an offset address is set;

a transfer source address generating unit sequentially incrementing transfer source addresses and, when the line number counted by said counting unit corresponds to a prescribed line number, adding the offset address set in said setting unit to respective said transfer source addresses to output as addresses to said first storage unit;

a transfer destination address generating unit sequentially incrementing transfer destination addresses to output as addresses to said second storage unit; and

a control unit controlling direct memory access transfer from said first storage unit to said second storage unit.

2.   The image data enlarging/reducing apparatus according to claim 1, wherein a negative address value is set in said setting unit upon enlargement of the image data.

3.   The image data enlarging/reducing apparatus according to claim 1, wherein a positive address value is set in said setting unit upon reduction of the image data.

4.   An image data enlarging apparatus enlarging image data stored in a first storage unit to write to a second storage unit, comprising:

a determining unit determining whether the image data stored in said first storage unit corresponds to a prescribed line;

a reading unit sequentially reading the image data stored in said first storage unit line by line and, when said determining unit determines

that the image data corresponds to the prescribed line, reading the image data of the relevant prescribed line a plurality of times; and

       a writing unit writing the image data read by said reading unit to

10   said second storage unit.

       5.   An image data reducing apparatus reducing image data stored in a first storage unit to write to a second storage unit, comprising:

       a determining unit determining whether the image data stored in said first storage unit corresponds to a prescribed line;

5   a reading unit sequentially reading the image data stored in said first storage unit line by line and, when said determining unit determines that the image data corresponds to the prescribed line, refraining from reading the image data of the relevant prescribed line; and

       a writing unit writing the image data read by said reading unit to

10   said second storage unit.